***‘Performance of Recycled Asphalt Shingles (RAS) in Hot Mix Asphalt’***

**National Pooled Fund Study TPF-5 (213)**

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During the thirteenth quarter, October 1, 2012 through December 31, 2012, the TPF-5 (213) team achieved the following components on the project:

1. The University of Minnesota completed the semi-circular binder testing for Colorado mixtures.
2. ISU completed analysis of dynamic modulus for Illinois, Colorado and Wisconsin mixtures.
3. ISU completed analysis of the beam fatigue testing for all state demonstration projects.
4. ISU completed flow number testing and analysis of samples for Illinois, Colorado, and Wisconsin mixtures.
5. ISU completed the gradations on the aggregate from the MnDOT extraction and recovery mixture samples.
6. ISU completed PG binder testing of extraction samples from MnDOT.
7. Completion of the Missouri, Iowa, Indiana, and Minnesota Draft Executive Summaries.
8. Next steps for the study include:
9. Complete Draft Executive Summaries for Wisconsin, Illinois and Colorado;
10. State reviews of the Draft Executive Summaries;
11. Complete final Draft Report for state partner review;
12. Final TAC meeting and discussion of the final report; and
13. Website postings.